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113-A. 3-A4A, 5-E2, 10-E12A, 10-E21A,

SANDOZ AG	A93102	JANU 20.06.04 WO 8600-291-A C04b-24/6 C04b- 28/2
03.10.84-US-657307 {+JP-125353} (16.01.86)		Cement mix for mortars of improved storage ability - comprises hydraulic cement, hydroxypropyl-methyl cellulose, lignosulphonate,

The mix comprises a hydraulic cement (I), hydroxypropyl methylcellulose (II), a modified lignosulphonate (III), an organic dispersant (IV) and water.

BETTER

APPLICATION
The mix is combined with a polyhydroxycarboxylic acid (VI), its salt and/or a polysaccharide (VII), and an olefin or alkyl benzene sulphonate anionic surfactant to form a mortar.

PREPARATION OF MORTAR
A mixt. of (I), (IV) and water is mixed with a mixt. of

the other components.

USES / ADVANTAGES
The mortar is used in construction or for cementing brick, cement block, stucco or ceramic tiles. It has good storage ability and in part, hydration of the mortar is retarded during mixing, transport and storage for up to 72 h.

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after mixing without affecting the other properties. The mortar has excellent adhesive properties to brick or block, adsorption of water from the mix onto the porous surface of building units is uniform, air content is stable and the strength needed to support loads placed on it is adequate.

PREFERRED EMBODIMENT

The mortar is prepd. by adding 0.02-0.07 wt. % (II) 0.10-0.20 wt. % sodium or calcium lignosulfonate, 0.35-0.6 wt. % sodium gluconate and 0.001-0.008 wt. % sodium alkyl-sulfonate sulfonate to a mixt. of (I), 200-800 wt. % fine (IV) and 0.01-0.05 wt. % water.

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EXAMPLE A mixt. of 0.07 wt. % hydroxypropyl methyl cellulose, 0.175 wt. % sodium lignosulphonate, 0.52 wt. % sodium gluconate and 0.084 wt. % alpha-olefin sulphonate was added to a mixt. of type I Portland cement (858 g.), masonry lime (100 g.)

masonry sand (2846) with fineness modulus of 1.81 and half the required water for a water/cement ratio of 0.39. The mortar had 24.00 vol.-% air, 125% flow, came penetration of 66, pliable consistency after 48 h. from mixing and

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good scratch resistance, workability, cohesiveness and adhesion to brick and block. (16pp 1616KJPDwRN0/0).
(E) ISR: - GB2114985; FR1502387; FR1533998; FR2154035;
FR2085402; FR2114734; GB2040907; GB2093015.

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